



GC/MS Aromatics Report

Well: 211/13A-09S1

Field: Penguin A

Country: United Kingdom



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GC/MS aromatics data report

FPC_318150

Sample information

Sample ID	FPC_318150	Depth (ft)	11803.0 - 11910.0
Sample type	Oil	Formation	MAGNUS 3A SAND
Country	United Kingdom	Age	-
Basin	Viking Graben Province	Reservoir	-
Prospect	-	Sample date	-
Block	211/13a Penguin West	Sample origin	DST
Field	Penguin A	Operator	SHELL
Well name	211/13A-09S1	Int. std. D10-Phenanthrene (ppm)	190
Well code	FPCW_55356		
Latitude	61.615474		
Longitude	1.481278		

Peak Data Table

FPC_318150

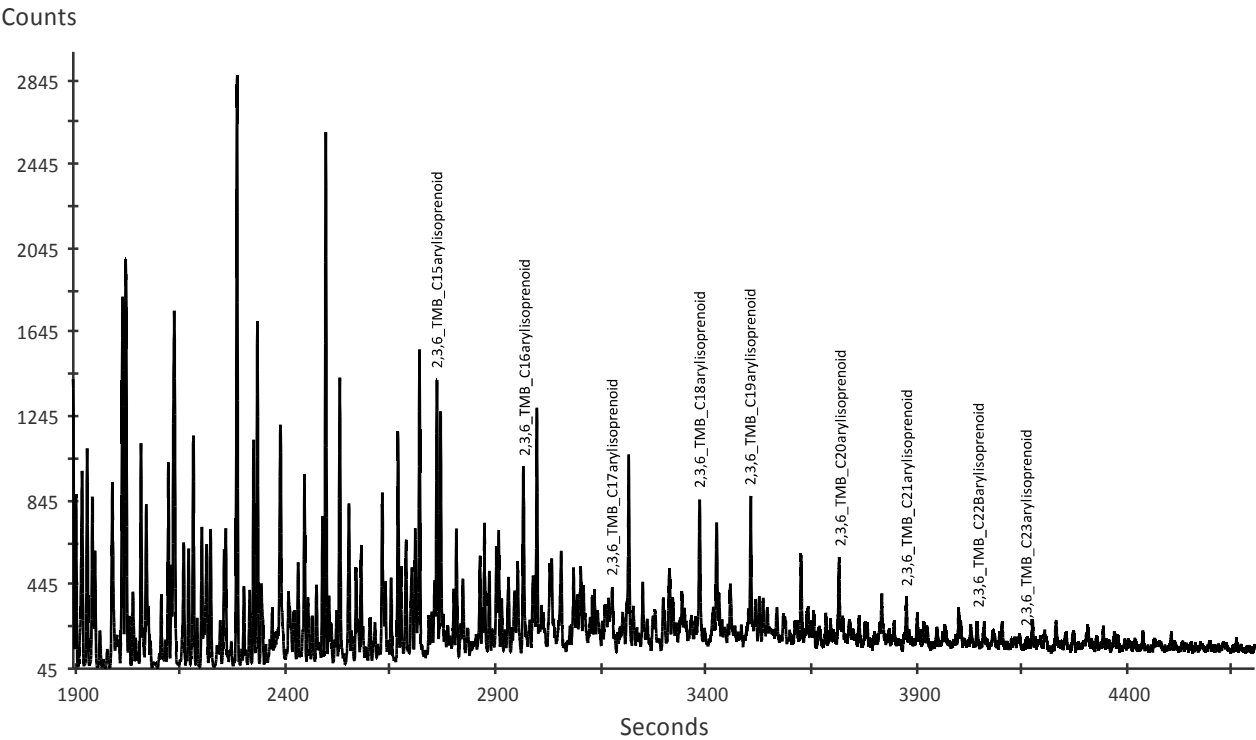
Peak name	Ion	Area
2,3,6_TMB_C15arylisprenoid	134.10	4819.61
2,3,6_TMB_C16arylisprenoid	134.10	3342.60
2,3,6_TMB_C17arylisprenoid	134.10	1182.84
2,3,6_TMB_C18arylisprenoid	134.10	3006.05
2,3,6_TMB_C19arylisprenoid	134.10	2456.58
2,3,6_TMB_C20arylisprenoid	134.10	1763.62
2,3,6_TMB_C21arylisprenoid	134.10	924.68
2,3,6_TMB_C22Barylisprenoid	134.10	548.99
2,3,6_TMB_C23arylisprenoid	134.10	341.18
2-methylnaphtalene	142.10	1384203.12
1-methylnaphtalene	142.10	1309554.62
2,6-dimethylnaphtalene	156.10	292950.28
2,7-dimethylnaphtalene	156.10	308421.75
1,3+1,7-dimethylnaphtalene	156.10	835747.81
1,6-dimethylnaphtalene	156.10	736480.50
1,5-dimethylnaphtalene	156.10	277577.03
2,3-dimethylnaphtalene	156.10	223770.44
1,2-dimethylnaphtalene	156.10	141816.78
1,3,7-trimethylnaphtalene	170.10	174806.61
1,3,6-trimethylnaphtalene	170.10	252846.28
1,3,5+1,4,6-trimethylnaphtalene	170.10	285952.41
2,3,6-trimethylnaphtalene	170.10	152983.25
1,2,7-trimethylnaphtalene	170.10	67839.28
1,6,7-trimethylnaphtalene	170.10	248444.48
1,2,6-trimethylnaphtalene	170.10	9946.82
1,2,4-trimethylnaphtalene	170.10	30534.48
1,2,5-trimethylnaphtalene	170.10	125025.34
Phenanthrene	178.10	322518.78
1,3,5,7-tetramethylnaphtalene	184.10	60081.25
1,3,6,7-tetramethylnaphtalene	184.10	59285.89
1,2,4,7-tetramethylnaphtalene	184.10	63671.58
1,2,5,7-tetramethylnaphtalene	184.10	42031.78
2,3,6,7-tetramethylnaphtalene	184.10	27406.02
1,2,6,7-tetramethylnaphtalene	184.10	19061.43
1,2,5,6-tetramethylnaphtalene	184.10	33867.10
Dibenzothiophene	184.10	58456.90
D10-Phenanthrene (Intern. Std.)	188.10	130342.48
3-methylphenanthrene	192.10	108891.91
2-methylphenanthrene	192.10	120159.14
9-methylphenanthrene	192.10	200373.38
1-methylphenanthrene	192.10	180240.88
Cadalene	198.00	-
4-methyldibenzothiophene	198.10	100445.76
3+2-methyldibenzothiophene	198.10	37479.62
1-methyldibenzothiophene	198.10	24366.81
4,5-dimethylphenanthrene	206.20	7117.27
2,6+3,6-dimethylphenanthrene	206.20	32795.40
3,5-dimethylphenanthrene	206.20	24330.21
2,7-dimethylphenanthrene	206.20	14266.84
3,9-dimethylphenanthrene	206.20	150763.69
1,6+2,5+2,9-dimethylphenanthrene	206.20	77807.45
1,7-dimethylphenanthrene	206.20	71631.30
1,9+4,9-dimethylphenanthrene	206.20	64916.79
1,8-dimethylphenanthrene	206.20	21765.02
1,2-dimethylphenanthrene	206.20	12078.69

Peak name	Ion	Area
TA_C20	231.20	8532.51
TA_C21	231.20	8725.92
TA_C22_20S	231.20	1002.89
TA_C22_20R	231.20	952.12
TA_C26_20S	231.20	1501.41
TA_C26_20R_C27_20S	231.20	5292.54
TA_C28_20S_A+B	231.20	4174.20
TA_C27_20R	231.20	3609.65
TA_C29_20S_A	231.20	1225.91
TA_C29_20S_B	231.20	757.89
TA_C28_20R	231.20	3464.22
MA_C21_A	253.20	3997.48
MA_C21_B	253.20	1574.77
MA_C22_A	253.20	2872.33
MA_C22_B	253.20	1943.52
MA_C27_I_20S	253.20	572.85
MA_C27_V_20S	253.20	1491.26
MA_C27_I_20R_C27_V_20R	253.20	1205.52
MA_C27_II_20S	253.20	710.98
MA_C28_I_20S	253.20	1985.53
MA_C28_V_20S	253.20	325.46
MA_C27_II_20R	253.20	276.08
MA_C28_II_20S	253.20	314.95
MA_C28_I_20R_C28_V_20R	253.20	1258.62
MA_C29_I_20S_C29_V_20S	253.20	1587.79
MA_C29_II_20S	253.20	529.14
MA_C28_II_20R	253.20	895.03
MA_C29_I_20R_C29_V_20R	253.20	1212.18

Sample	FPC_318150	Sample type	Oil	Analysis	GC-MSD in SIM mode
Depth	11808.0-11910.0ft	Fraction	Aromatic	Analysis date	12-SEP-2014

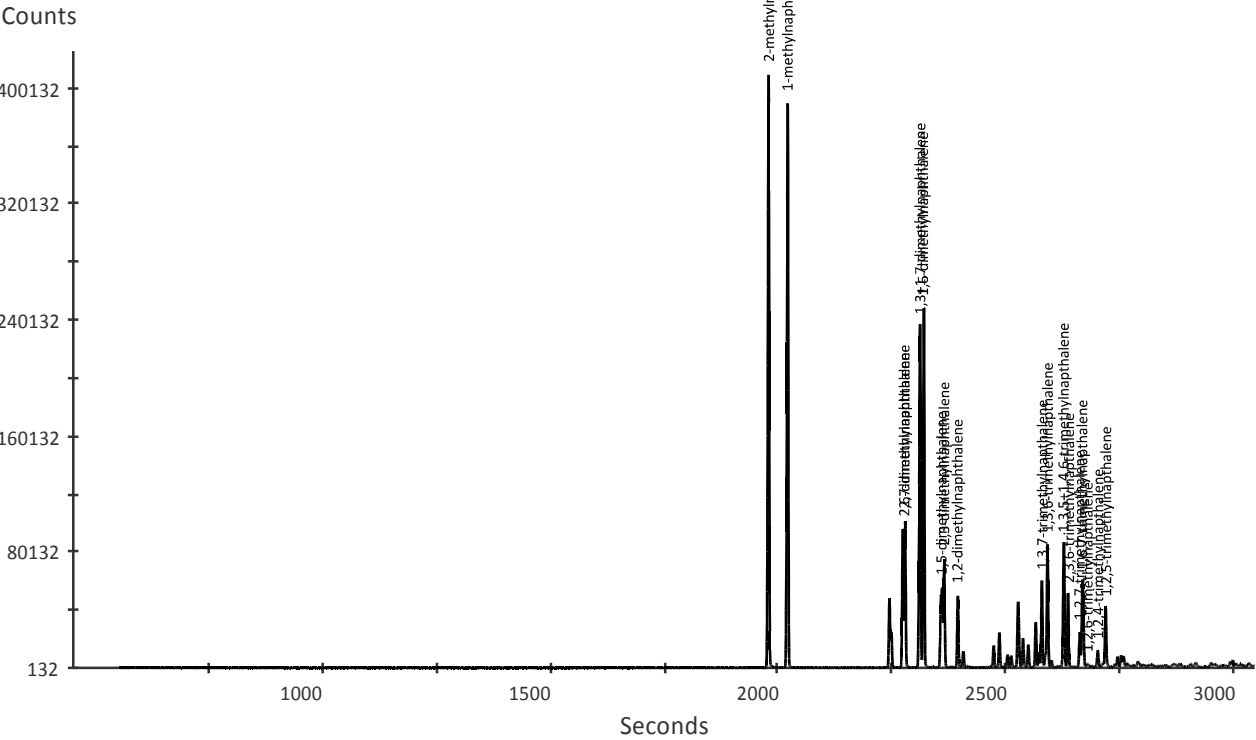
m/z	signal intensity
134.1	2,977.8

Alkyl-trimethylbenzenes

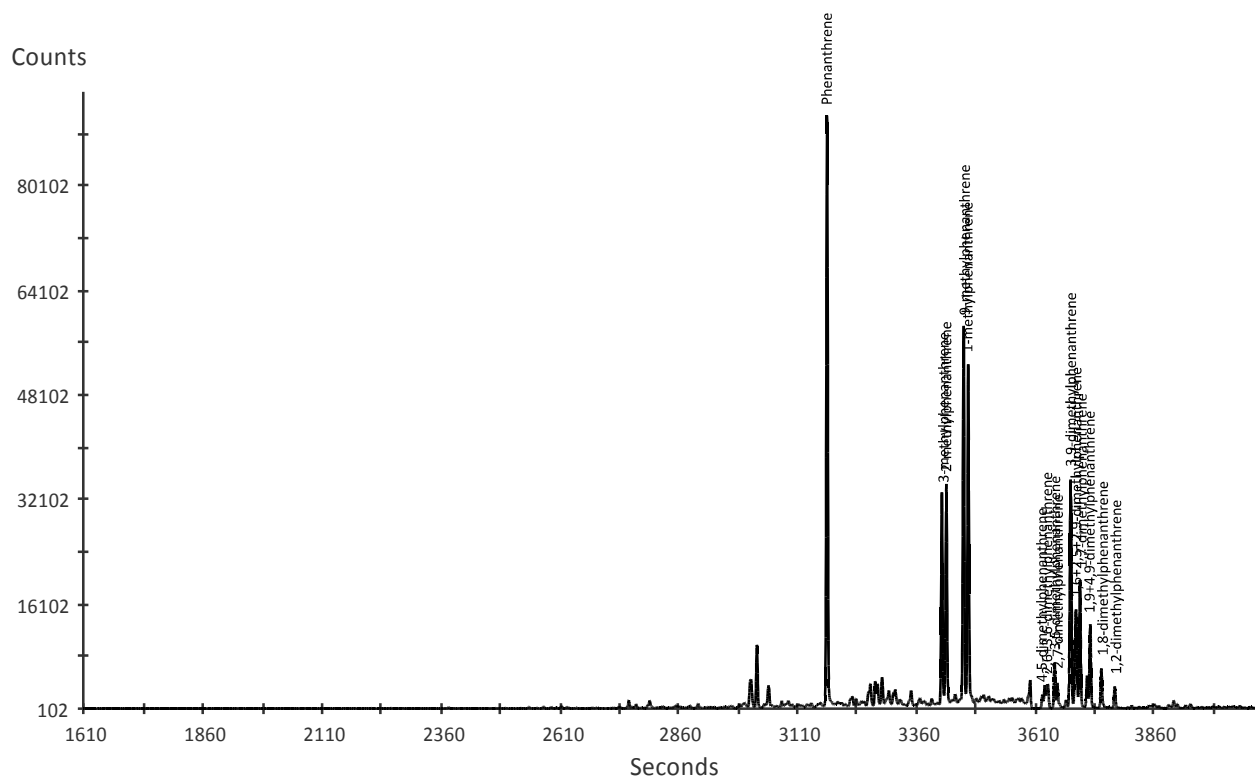


m/z	signal intensity
142.1+156.1+170.1	425,364.08

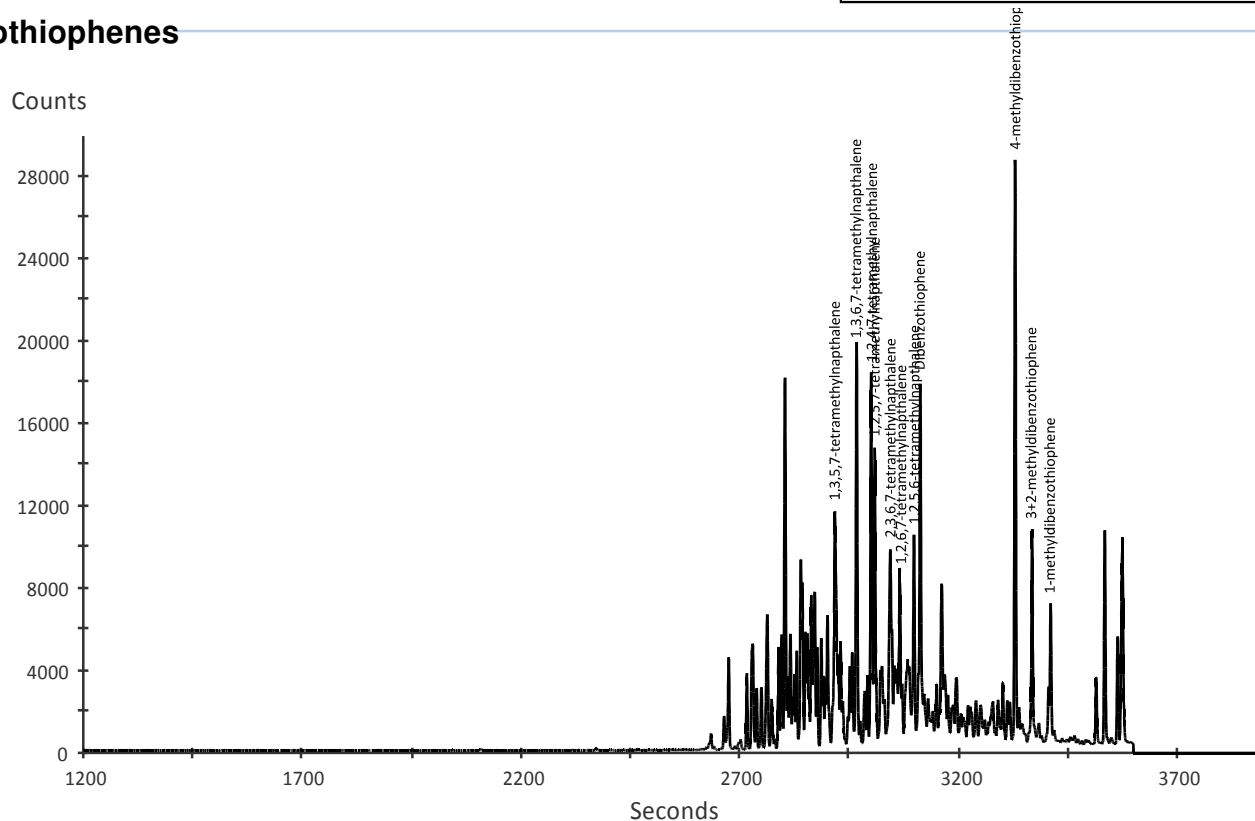
Methylnaphthalenes



m/z	signal intensity
178.1+192.1+206.1	94,539.2



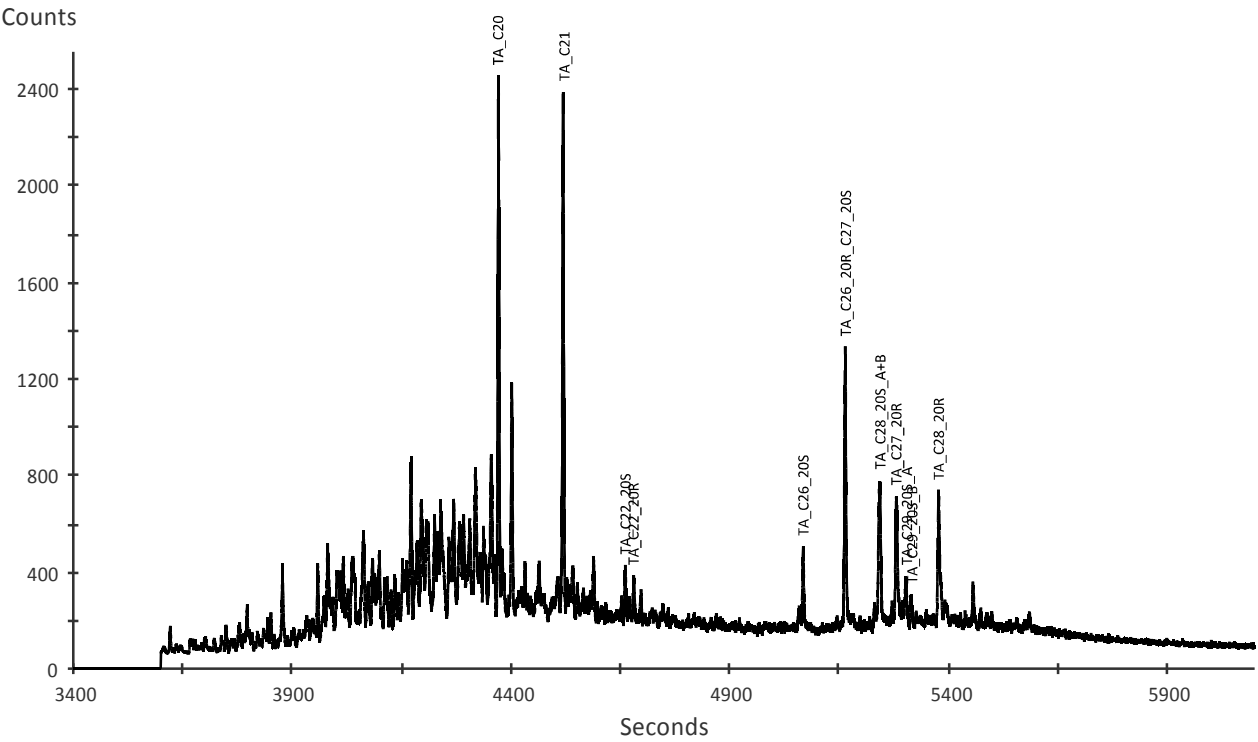
m/z	signal intensity
184.0+198.1+212.1	29,888.56



Sample	FPC_318150	Sample type	Oil	Analysis	GC-MSD in SIM mode
Depth	11808.0-11910.0ft	Fraction	Aromatic	Analysis date	12-SEP-2014

m/z	signal intensity
231.1	2,556.32

Triaromatic steroids



m/z	signal intensity
253.2	1,371.76

Monoaromatic steroids

